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PTO/SB/21 (09-04)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

6

Application Number

10/564,441

Filing Date

January 12, 2006

First Named Inventor

Persson et al

Art Unit

Examiner Name

Attorney Docket Number

SSI7USA

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	Customer No. 00270	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Express Mail No. ED378262183US	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	HOWSON AND HOWSON		
Signature			
Printed name	Cathy A. Kodroff		
Date	April 12, 2006	Reg. No.	33,980

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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SSI7USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/564,441 Confirmation No.:

Applicant : Persson et al

Filed : January 12, 2006

TC/A.U. :

Examiner :

Customer No. : 00270

Title : DIAGNOSTICS OF DIARRHEAGENIC ESCHERICHIA
COLI (DEC) AND SHIGELLA SPP

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant submits to the Examiner the attached Form PTO/SB/08A/B document listing and this paper pursuant to 37 CFR § 1.56 and § 1.97-1.98. Form PTO/SB/08A/B is attached and copies of the documents are enclosed herewith. This Information Disclosure Statement is submitted less than three months from the filing date of this application and before the receipt of a first Office Action on the merits. Therefore, no fees are believed due.

The Director is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees to our Deposit Account Number 08-3040.

Express mail No. ED378262183US

REMARKS


Listed below are previously filed, and co-pending, US Patent applications which have issued or published. This application and the present applications are commonly owned:

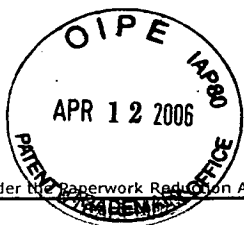
- 1) US Patent Application No. 09/310,551 filed May 12, 1999, now Patent No. 6,649,170 issued on November 18, 2003.
US Patent Application No. 10/654,720 filed September 3, 2003, now published patent No. 2005-0191308-A1, September 1, 2005
- 2) US Patent Application No. 11/174,955 filed July 5, 2005, now published patent No. 2006-0008519-A1, January 12, 2006.

The Examiner is respectfully requested to consider the enclosed document identified in this paper and in the attached Form PTO/SB/08A/B during the course of examination of this application.

Respectfully submitted,

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Attorneys for Applicant

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/564,441
				Filing Date	January 12, 2006
				First Named Inventor	Persson et al
				Group Art Unit	
Examiner Name					
Sheet	1	of	3	Attorney Docket Number	SSI7USA

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A	US-6,649,170 B1	11-18-2003	Lindblad et al	
	B	US-2005-0191308 A1	09-01-2005	Lindblad et al	
	C	US-2006-0008519 A1	01-12-2006	Daidsen et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ -Kind Code ⁵ (if known)				
	D	PCT WO 98/48046 A3	10-29-1998	Bavarian Nordic research Institute GMBH		

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	10/564,441
				Filing Date	January 12, 2006
				First Named Inventor	Persson et al
				Group Art Unit	
Examiner Name					
Sheet	2	of	3	Attorney Docket Number	SSI7USA

NONPATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	E	ADU-BOBIE ET AL, Detection of Intimins α , β , γ , and δ , Four Intimin Derivatives Expressed by Attaching and Effacing Microbial Pathogens, Journal of clinical Microbiology, pp. 662-668, Vol. 36, No. 3, (March 1998)	
	F	FRIEDRICH ET AL, Escherichia Coli Harboring Shiga Toxin 2 Gene Variants: Frequency and Association with Clinical Symptoms, The Journal of Infectious Diseases, 185:74-84, (January 1, 2002)	
	G	HARTMAN ET AL, Sequence and Molecular Characterization of a Multicopy Invasion Plasmid Antigen Gene, ipaH, of Shigella Flexneri, Journal of Bacteriology, Vol. 172, No. 4, pp. 1905-1915, (April 1990)	
	H	JERSE ET AL, A Genetic Locus of Enteropathogenic Escherichia Coli Necessary for the Production of Attaching and Effacing Lesions on Tissue Culture Cells, Proc. Natl. Acad. Sci. Vol. 87, pp. 7839-7843, (October 1990)	
	I	KARCH AT AL, A Plasmid of Enterohemorrhagic Escherichia Coli O157:H7 is Required for Expression of a New Fimbrial Antigen and For Adhesion to Epithelial Cells, Infection and Immunity, Vol. 55, No. 2, pp. 455-461, (February 1987)	
	J	KONOWALCHUK ET AL, Vero Response to a Cytotoxin of Escherichia Coli, Infection and Immunity, Vol. 18, No. 3, pp. 775-779, (December 1977)	
	K	KONOWALCHUK ET AL, Comparative Studies of Five Heat-Labile Toxic Products of Escherichia Coli, Infection and Immunity, Vol. 22, No. 3, pp. 644-648, (December 1978)	
	L	KONOWALCHUK ET AL, Properties of an Escherichia Coli Cytotoxin, Infection and Immunity, Vol. 20, No. 2, pp. 575-577, (May 1978)	
	M	LOPEZ-SAUCEDO ET AL, Single Multiplex Polymerase Chain Reaction to Detect Diverse Loci Associated with Diarrheagenic Escherichia Coli, Emerging Infectious Diseases, Vol. 9, No. 1, (January 2003)	
	N	NATARO ET AL, Diarrheagenic Escherichia Coli, Clinical Microbiology Reviews, Vol. 11, No. 1, pp. 142-201, (January 1998)	

Examiner Signature	Date Considered
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Examiner Name					
Sheet	3	of	3	Attorney Docket Number	SSI7USA

NONPATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	O	PASS ET AL, Multiplex PCRs for Identification of Escherichia Coli Virulence Genes, Journal of Clinical Microbiology, Vol. 38, No. 5, pp. 2001-2004, (May 2000)	
	P	SCHMIDT ET AL, Molecular Analysis of the Plasmid-Encoded Hemolysin of Escherichia Coli O157:H7 Strain EDL 933, Infection and Immunity, Vol. 63, No. 3, pp. 1055-1061, (March 1995)	
	Q	SOMMERFELT ET AL, Cloned Polynucleotide and Synthetic Oligonucleotide Probes Used in Colony Hybridization Are Equally Efficient in the Identification of Enterotoxigenic Escherichia Coli, J. Clin. Microbiol, Vol. 26, No. 11, p. 2276, (March 1990)	
	R	STEPHAN ET AL, Characterization of Shiga Toxin type 2 Variant B-Subunit in Escherichia Coli Strains from Asymptomatic human Carriers by PCR-RFLP, Letter in Applied Microbiology 31, pp. 139-142, (May 2000)	
	S	VENKATESAN ET AL, Use of Shigella Flexneri ipaC and ipaH Gene Sequences for the General Identification of Shigella spp. And Enteroinvasive Escherichia Coli, Journal of clinical Microbiology, Vol. 27, No. 12, pp. 2687-2691, (December 1989)	
	T	YE ET AL, Fluorescent Microsphere-Based Readout Technology for Multiplexed Human Single Nucleotide Polymorphism Analysis and Bacterial Identification, Human Mutation, 17:305-316, (April 2001)	

Examiner Signature		Date Considered	
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